

**BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE**

Name of work: Estimate for Improvements to Roads and Drains at Ananthapadmanabha Layout in ward No. 10, Vidyaranyapura sub Division.

		Estimate Cost Rs.						1500000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 152 / Item No. 19.2 / PWD SR 2013-14	Cum							
	Apoorva Apartment		2	95.00	1.00	0.90	171.00		
	Culverts		2	7.00	2.00	1.20	33.60		
							204.60	90.72	18561.00
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	90.72							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12 / Item No. 4.3 / PWD SR 2013-14	Cum							
	Apoorva Apartment		2	95.00	1.00	0.15	28.50		
	Culverts		2	7.00	2.00	0.15	4.20		
							32.70	4290.84	140310.00
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	4290.84							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 , stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25 / Item No. 5.6 / PWD SR 2013-14	Cum							
	For Culverts		2x2	7.00	0.60	0.90	15.12		
							15.12	3549.96	53675.00
	Basic Rate	3287.00							
	Area Weightage @ 8%	262.96							
	Total	3549.96							

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Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 15.1.4: Providing ruled pointing, to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. Page No. 122 / Item No. 15.3 / PWD SR 2013-14	Sqm							
Pointing		2x2	7.00		0.90	25.20		
						25.20	77.76	1960.00
Basic Rate	72.00							
Area Weightage @ 8%	5.76							
Total	77.76							
5 KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 12 / Item No. 4.6 / PWD SR 2013-14	Cum							
Coping		2	7.00	1.80	0.10	2.52		
						2.52	4779.00	12043.00
Basic Rate	4425.00							
Area Weightage @ 8%	354.00							
Total	4779.00							
6 KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17 / Item No. 4.31 / PWD SR 2013-14	Sqm							
for Culverts		2	7.00	0.60		8.40		
Covering sides		2x2	7.00		0.23	6.44		
		2x2	1.80		0.23	1.66		
Apoorva Apartment CC Drain		2x4	95.00		0.60	456.00		
Apoorva Apartment CC Drain Bottom		1	80.00	0.60		48.00		
		1	55.00	0.60		33.00		
Apoorva Apartment CC Drain		2	80.00		0.10	16.00		
		2	55.00		0.10	11.00		
						580.50	271.08	157361.00
Basic Rate	251.00							
Area Weightage @8%	20.08							
Total	271.08							

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Assistant Executive Engineer
Vidyananyapura Sub Division
BBMP, Bangalore - 97

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplasticiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6, Page No. 13 / Item No. 4.11 / PWD SR 2013-14	Cum							
Culvert Deck Slab		2	7.00	1.80	0.23	5.80		
Apoorva Apartment CC Drain Bottom		2	95.00	1.00	0.15	28.50		
Apoorva Apartment CC Drain Sidewall		2x2	95.00	0.15	0.60	34.20		
Apoorva Apartment CC Drain Covering Slab		1	80.00	0.90	0.10	7.20		
Muneshwara Layout		1	55.00	0.90	0.10	4.95		
						80.65	5639.76	454824.00
Basic Rate	5222.00							
Area Weightage @ 8%	417.76							
Total	5639.76							
8 KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars FE 500 Page No. 19 / Item No. 4.46.2 / PWD SR 2013-14	Qtl							
		0.80	80.65			64.52		
						64.52	7450.92	480710.00
Basic Rate	6899.00							
Area Weightage @ 8%	551.92							
Total	7450.92							
9 Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (PWD SR Rates P No 123)	Cum							
						Qty. Vide Item No. 1	192.32	100.07
								19246.00
Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
Add loading and unloading Charges It No 17.1 KSRRB M 100-1	62.20							
	92.66							
Area Weightage @ 8%	7.41							
Total	100.07							

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	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Sub Total								1338690.00
1	KRIDL Charges @ 11%								147256.00
12	Third Party Inspection Charges @ 1%								13387.00
13	Miscellaneous and unforeseen charges	L/S							667.00
								Total	1500000.00

(Rupees Fifteen Lakhs Only)

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

[Signature]
Assistant Engineer
Ward No. 10

[Signature]
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

[Signature]
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

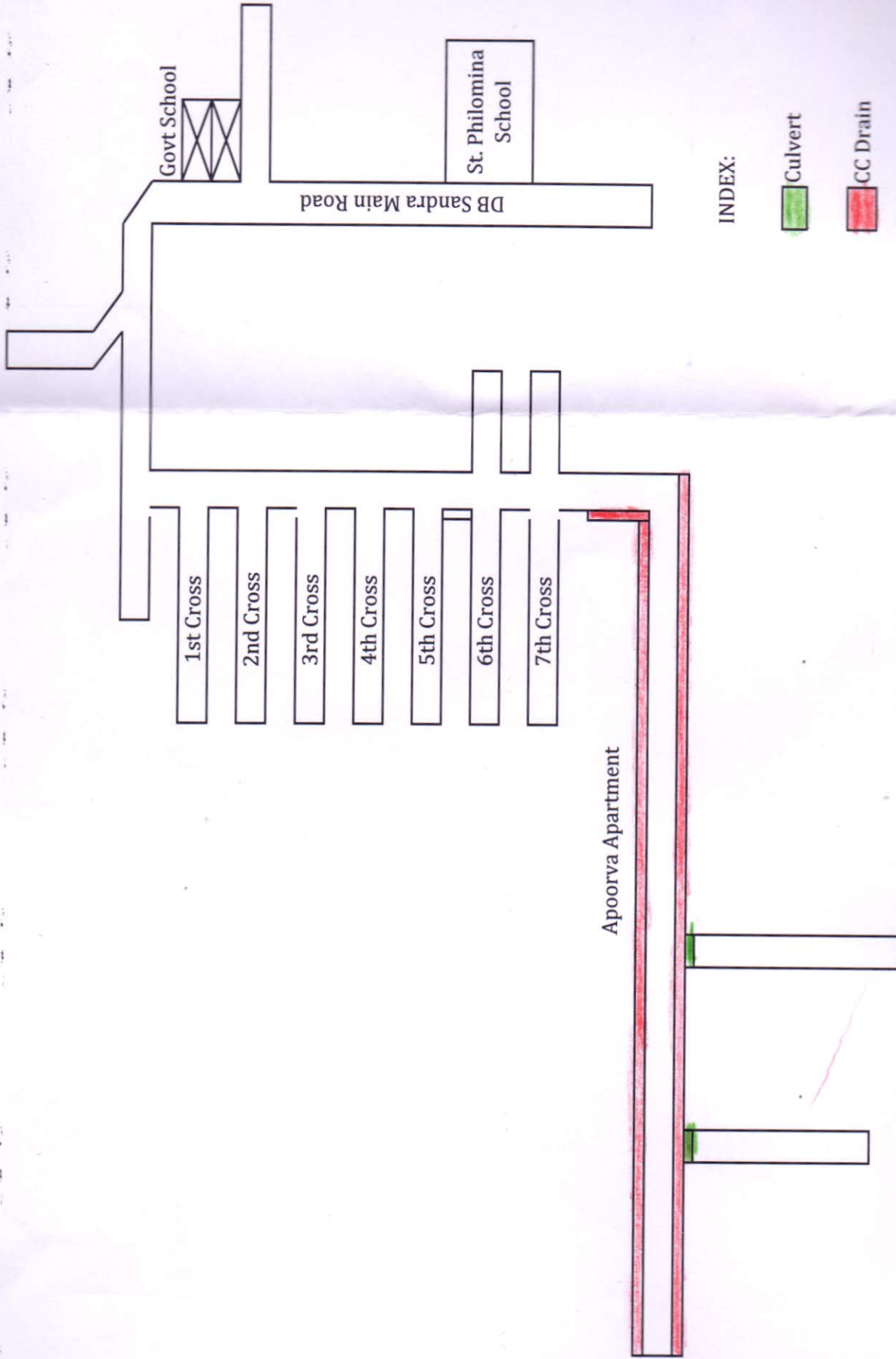
New Technical Sanction

Technical Sanction for Rs. *15,00,000/-*
Fifteen Lakhs only
Under P-2434.

Registered on *21.02.14* Subject *to conditions of contract and memo.*
No: *EE/BTP/DV/411/13-14.41* Dr. *21.02.14.*

AE/IE *[Signature]* EE(BTP.DV.)

Sketch Showing the Work For Improvements to roads and Drains at Anantha Padmanabha Layout in Ward No. 10,
Vidharanyapura Sub Division.



S. S. S.
Assistant Engineer
Ward No. 10

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Assistant Executive Engineer
Vidharanyapura Sub Division